

SWBAT

use the Moving Man to predict and explain position and velocity graphs

Sep 4-7:31 AM

Welcome!!!

SECA CP Physics
Monday 19 October 2015



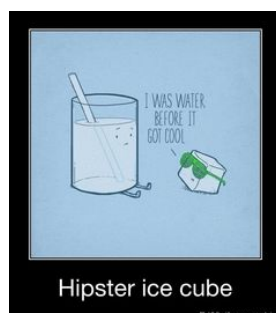
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Room C-244

- MONDAY: Have SchoolView up. Any make-up work?
 - Grab a computer and log in!
- Homework: Due Wednesday 10/21
Presentation limited to 3 people
Parts 1-7 in everyone's notebook!

Opening Activity:

- Any questions about the project / presentation?
- Back to work on "Moving Man": PREDICT!

Centering
(jokes)



Sep 7-7:04 AM

The Slope of Position vs. Time Graphs

position (m)

time (s)

Example #4 STOPPED: 0 SLOPE

NEG SLOPE

What is **SLOPE** telling us about the motion???

SPEED
FAST

+ & -
DIRECTION

IS VELOCITY

GOOGLE: PHET Moving Man:

Complete parts 1-6 on separate paper to turn in (I am providing a packet for answers).

- PREDICTION (IN PENCIL)
- RESULT (IN COLOR)
- EXPLANATION:

Oct 14-8:49 AM

Ball / Ramp Experiment:

- When should it be due? **WED 10/21**
NO MORE CLASS WORK TIME
EXCEPT CLARIFYING QUESTIONS
AT THE START OF CLASS
- How should we grade the project?
- **EVERYONE HAS ALL PARTS 1-7**
IN THEIR NOTEBOOK
- **GLUE RUBRIC ON PG. 25**
↳ ON LEFT TELL LESLIE WHAT PAGE TO FIND THINGS.
- How to grade presentations
- **LIMIT 3 PEOPLE / GROUP**
↳ CAN DO INDIVIDUAL PRESENTATION
- **READY TO GO WED 10/21 OR DEDUCTION**

Oct 13-10:11 AM

InterActive Notebook - Table of Contents

Unit		Chapters		Date	
Left-Side Items	Page	Right-Side Items	Page		
REFLECTION ON NOTES	2	TED ED ADAM SAVAGE	3		
HOW FAR FROM BRIDGE	4	"FORT STUEBEN"	5		
REFLECTION ON NOTES	6	HMWK: BASE UNITS	7		
PR: DISTANCE & DISPLACEMENT	8	HMWK: FP DISPLACEMENT	9		
DIAGRAM & STEPS	10	TIMING & ERROR	11		
SUMMARY OF TIMING	12	HOW TO BUILD A TABLE	13		
PR: CONVERTING SOLNS.	14	HMWK: FP CONVERSIONS	15		
PR: VELOCITY & SPEED	16	HMWK: FP SPEED & VELOCITY	17		
SPEED WORD PROBLEMS	18	ALGEBRA FOR PHYSICS	19		
LAB JOURNAL 10/7	20	LAB JOURNAL 10/8	21		
		HMWK: FP GRAPHS POSITION	23		
LAB JOURNAL 10/12	24	EXPERIMENT RUBRIC	25		
26		USE FOR PROJECT		27	

Sep 5-9:09 AM

Page 20: Lab Journal 10/7/15

Find a partner for today and record who...

THE CHALLENGE

Is the ball going a constant speed on the flat? How could you show that?

1a) What do you think you will find?

LONG FLAT = EASIER TO TIME

1b) PLAN... How will you find speed along the flat? Mess with equipment (don't collect data), see what works... DISTANCES & TIMES

Page 21: Lab Journal 10/8/15

2) List materials you will need

3) Diagram (= picture) and label set up

4) Step by step procedure FOR DATA

#1) SET UP RAMP AS IN DIAGRAM

Page 24: Lab Journal 10/12/15

Find partners for today and record who...

5) Record data in a table (=grid of numbers) with headings, units (see examples p. 11 & 13)

Page 25: Glue in Rubric

- on left side list the notebook page to find each part

Page 26-27:

-More space for completing project.

-May need to attach more paper to bottom and fold in.

Oct 6-10:19 AM